

# INTERNATIONAL SEARCH REPORT

International Application No  
PCT/GB2004/002417

<b>A. CLASSIFICATION OF SUBJECT MATTER</b>					
IPC 7	C30B29/22	C30B17/00	C30B9/00	H01L39/00	C04B35/00

According to International Patent Classification (IPC) or to both national classification and IPC

**B. FIELDS SEARCHED**

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 C30B

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, PAJ, WPI Data

**C. DOCUMENTS CONSIDERED TO BE RELEVANT**

Category	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	<p>WEINSTEIN R ET AL: "A class of chemical pinning centers including two elements foreign to HTS"  <b>PHYSICA C</b>, NORTH-HOLLAND PUBLISHING,  AMSTERDAM, NL,  vol. 383, no. 4,  1 January 2003 (2003-01-01), pages  438-444, XP004399226  ISSN: 0921-4534  the whole document  page 440</p> <p>-----</p> <p style="text-align: center;">-/--</p>	1-4, 22

Further documents are listed in the continuation of box C.

Patent family members are listed in annex.

\* Special categories of cited documents :

- \*A\* document defining the general state of the art which is not considered to be of particular relevance
- \*E\* earlier document but published on or after the international filing date
- \*L\* document which may throw doubt on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- \*O\* document referring to an oral disclosure, use, exhibition or other means
- \*P\* document published prior to the international filing date but later than the priority date claimed

- \*T\* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- \*X\* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- \*Y\* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
- \*&\* document member of the same patent family

Date of the actual completion of the international search

2 September 2004

Date of mailing of the international search report

09/09/2004

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# INTERNATIONAL SEARCH REPORT

International Application No  
T/GB2004/002417

**C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT**

Category	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	<p>WEINSTEIN R ET AL: "Very high values of <math>J_c</math> obtained in <math>NdBa_2Cu_3O_x</math> by use of the U/n process"  <b>PHYSICA C</b>, NORTH-HOLLAND PUBLISHING,  AMSTERDAM, NL,  vol. 383, no. 3,  15 December 2002 (2002-12-15), pages  214-222, XP004391510  ISSN: 0921-4534  the whole document</p> <p>-----</p>	1
A	<p>EP 0 890 661 A (INT SUPERCONDUCTIVITY TECH  ; SUMITOMO ELECTRIC INDUSTRIES (JP))  13 January 1999 (1999-01-13)</p> <p>-----</p>	
A	<p>HARI BABU N ET AL: "Effect of the addition of depleted <math>UO_2</math> on the microstructure of melt processed Y-Ba-Cu-O superconductors"  <b>PHYSICA C</b>, NORTH-HOLLAND PUBLISHING,  AMSTERDAM, NL,  vol. 372-376, August 2002 (2002-08), pages  1183-1186, XP004375638  ISSN: 0921-4534</p> <p>-----</p>	
A	<p>WEINSTEIN P ET AL: "The role of uranium, with and without irradiation, in the achievement of <math>J_c</math> [ 300,000 A cm<math>^{-2}</math> ] at 77 K in large grain melt-textured <math>Y_{123}</math>"  <b>MATERIALS SCIENCE AND ENGINEERING B</b>,  ELSEVIER SEQUOIA, LAUSANNE, CH,  vol. 53, no. 1-2, 1 May 1998 (1998-05-01),  pages 38-44, XP004139989  ISSN: 0921-5107</p> <p>-----</p>	
A	<p>SAWH R-P ET AL: "Uranium chemistry and pinning centers in high temperature superconductor"  <b>PHYSICA C</b>, NORTH-HOLLAND PUBLISHING,  AMSTERDAM, NL,  vol. 305, no. 3-4,  1 September 1998 (1998-09-01), pages  159-166, XP004150793  ISSN: 0921-4534</p> <p>-----</p>	
A	<p>WEINSTEIN R ET AL: "Properties of HTS for Successful U/n Processing"  <b>PHYSICA C</b>, NORTH-HOLLAND PUBLISHING,  AMSTERDAM, NL,  vol. 341-348, November 2000 (2000-11),  pages 1415-1418, XP004315950  ISSN: 0921-4534</p> <p>-----</p>	

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**INTERNATIONAL SEARCH REPORT**

Information on patent family members

International Application No

PCT/GB2004/002417

Patent document cited in search report	Publication date	Patent family member(s)		Publication date
EP 0890661	A 13-01-1999	JP 11021126 A	DE 69812781 D1	26-01-1999 08-05-2003
		DE 69812781 T2	EP 0890661 A1	23-10-2003 13-01-1999
		US 6083886 A		04-07-2000

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